CLAIMS

What is claimed is:

1. A portable communications device having a reflective display comprising:
a device housing having a wireless receiver;
a matrix display;
a lens for viewing the display;
a light source that directs light onto the display; and
an optical coupler that directs the light onto the matrix display and the reflected light through the lens.

2. The reflective display of claim 1 wherein the matrix display further comprises an array of pixel elements, each pixel element having transistor circuits formed with single crystal silicon, the pixel element having a reflective pixel electrode.

3. The reflective display of claim 2 further comprising a color sequential display circuit.

4. The reflective display of claim 3 further comprising a switching circuit connected to a counterelectrode panel of the matrix display for switching the applied voltage.

5. The reflective display of claim 3 wherein the light directing device is a dichroic prism interposed between the lens and the matrix display.

6. A portable communications device having a reflective color sequential display comprising:

an active matrix liquid crystal display;

a lens for viewing the display and spaced from the display;

a plurality of light sources that sequentially illuminate the display; and

a dichroic prism for directing the light from the light source to the active matrix liquid crystal display and passing the reflection to the lens.

7. The device of claim 6 further comprising a diffuser between the light sources and the dichroic prism.

8. The device of claim 7 further comprising at least one dichroic mirror for directing the light from one light source and allowing light from another light source to pass through.

9. The device of claim 6 wherein the device comprises a wireless pager.

10. The device of claim 6 wherein the device comprises a telephone.

11. The device of claim 6 wherein the device comprises a docking station for a wireless telephone.

12. A portable communications device having a reflective display comprising:

an active matrix liquid crystal display having an array of pixel elements, each pixel element having transistors circuits formed with single crystal

silicon, the pixel element having a reflective pixel electrode;

a lens for viewing the display and spaced from the display;

a plurality of light emitting diodes;

a dichroic prism for directing the light from the light source to the active matrix liquid crystal display and passing the reflection to the lens.

13. The device of claim 12 further comprising a color sequential display circuit.

14. The device of claim 12 wherein the matrix display has an array of at least 320 by 240 pixel electrodes.

15. The device of claim 12 further comprising a diffuser between the light emitting diodes and the dichroic prism.

16. The device of claim 12 further comprising a pair of dichroic mirrors, each mirror for directing the light from one light emitting diode and allowing light from at least another light emitting diode to pass through.

17. The device of claim 12 wherein the device comprises a camera.

18. The device of claim 12 wherein the device comprises a telephone.

19. The device of claim 12 wherein the device comprises a docking station for a telephone.

20. The device of claim 12 wherein the device comprises a pager.

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